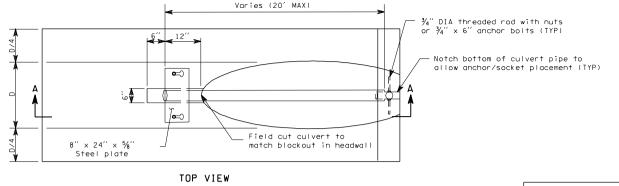
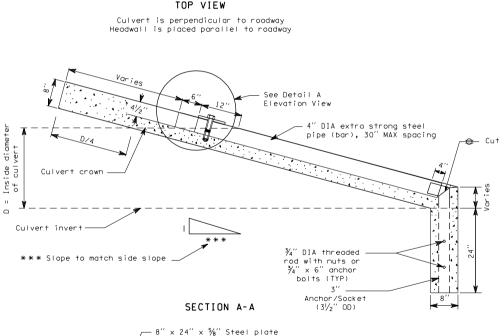
## NOTES

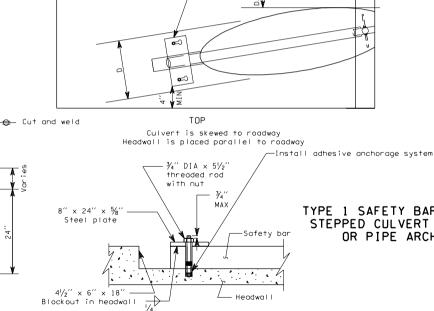
— See Steel Plate Detail

- 1. Sockets shall be 3" extra strong steel pipe  $(3\frac{1}{2}$  OD). Sockets must be the proper angle to allow safety bar to be easily removed.
- 2. Safety Bar shall be 4" extra strong  $(4\frac{1}{2}" \text{ OD})$ steel pipe.
- 3. Bevel culvert pipe to match side slope.

Culvert DIA	Required number of pipes
Up to 36"	None
42" - 60"	1
66'' - 90''	2
96" - 120"	3







TYPE 1 SAFETY BARS FOR STEPPED CULVERT PIPE OR PIPE ARCH

ELEVATION DETAIL A

-1" x 4" Slot with 2" wide oval at bottom (TYP) 3/4" x 51/2" Bolt STEEL PLATE